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Total Number of Pages in This Submission

| | |
|------------------------|-----------------------|
| Application Number | 10/788,480 |
| Filing Date | 03/01/2004 |
| First Named Inventor | Shirk, et al |
| Art Unit | 1774 |
| Examiner Name | Ferguson, Lawrence D. |
| Attorney Docket Number | 102-008-US |

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ENCLOSURES (Check all that apply)

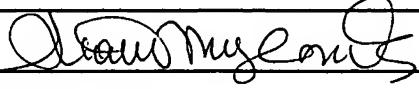
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|----------------------|----------|--------|
| Firm Name | | | |
| Signature | | | |
| Printed name | Stamatiros Mylonakis | | |
| Date | | Reg. No. | 42,921 |

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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| Signature |  | | |
| Typed or printed name | Stamatiros Mylonakis | | |
| | Date | 01/16/07 | |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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01-17-07.

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE:
APPLICATION OF: Shirk et al
SERIAL NO: 10/788,480
CONFIRMATION NO.: 7566
FILED: 03/01/2004
FOR: Variable Refractive Index Polymer Materials

EXAMINER: Ferguson, Lawrence D.
GROUP ART UNIT: 1774
DOCKET No.:102-008-US

FILING OF RESPONSE TO THE OFFICE ACTION MAILED 11/15/2006

DIRECTOR OF THE UNITED STATES
PATENT AND TRADEMARK OFFICE
P.O. Box 1450
Alexandria, Virginia 22313-1450

SIR:

Attached hereto for filing are the following papers:

1. Cover Sheet (2 pages)
2. Transmittal Form (1 page)
3. Amendment (12 pages)

Credit card authorization is attached for \$0 to cover the response to the Office Action mailed 11/05/2006. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 CFR 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to the Deposit Account Number **502674**. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate of this sheet is enclosed.

Customer No.: 28727

Respectfully submitted,

Stamatis Mylonakis, Ph.D.
Registration No. 42,921



Application No.: 10/788,480
Applicant: Shirk et al.
Filed: 03/01/2004
ART UNIT: 1774

Confirmation No.: 7566
Examiner: Lawrence Ferguson
Docket No.: 102-008-US
Customer No.: 28727

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

AMENDMENT

Sir:

Responsive to the Office Action mailed 11/15/2006, reconsideration of the above-identified application is respectfully requested in view of the following amendments and remarks.

Amendments to the Claims are reflected in the listing of the claims which begins on page 2 of this paper.

Support for the Amendment is on page 7 of this paper.

Remarks begin on page 8 of this paper.

A separate sheet is provided with **marked-up changes** at the end of this document.